

# Life Sciences OHSAS F&O Facilities Risk Assessment

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<b>Name(s) of Risk Team Members:</b> Emrick, Colichio, Garcia, DeBoard, Michel, Maugeri, Gunther, Mallon	<b>Point Value → Parameter ↓</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Area/Facility Description Title:</b> Facility Risk Assessment for Building 490	<b>Occupancy or Use</b>	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
<b>Area/Facility # (if applicable):</b> DJ-FRA03-490						
<b>Area/Facility Description:</b>  Building 490	<b>Severity</b>	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
<b>Approved by:</b> R. Colichio <b>Date:</b> 5/10/06 <b>Rev. #:</b> 0	<b>Likelihood</b>	Extremely Unlikely	Unlikely	Possible	Probable	Multiple
<b>Reason for Revision (if applicable):</b>				<b>Comments:</b>		

Physical Item or Activity	Hazard(s)	Before Controls				Initial Controls	After Initial Controls				Control(s) Added to Reduce Risk	After Additional Controls				% Risk Reduction
		Occupancy A	Severity B	Likelihood C	Risk* AxBxC		Occupancy A	Severity B	Likelihood C	Risk* AxBxC		Occupancy A	Severity B	Likelihood C	Risk* AxBxC	
Walking	See Walking JRA															
Indoor air quality	Allergies, asthma, headaches, pulmonary exposure, hazards associated with animal living beneath the building	5	3	3	45	Building maintenance, changing air filters from A/Cs and heaters as needed, grounds maintenance (removal of water that could lead to mold), humidifiers and dehumidifiers	5	2	2	20						
General Fire Hazards	Burns, explosion, smoke inhalation	5	5	3	75	Fire extinguishers, smoke detectors, fire alarms, Tier I inspections, building maintenance, general housekeeping to reduce combustibles, SBMS fire safety subject area and emergency planning	5	5	1	25						

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Physical Item or Activity	Hazard(s)	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Initial Controls	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Control(s) Added to Reduce Risk	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	% Risk Reduction
Security	Security hazards associated with working alone and/or late at night	3	5	2	30	Adequate lighting, working door locks, escort service, OMC physical, security	3	5	1	15						
Use of Bottled Water	Gastro intestinal problems due to elevated bacterial levels, slips from wet floor, back injury from lifting (see Lifting JRA)	5	3	3	45	Quality Assurance review on Purchase Order, Proper storage of bottles, monitoring of water quality, procedure for cleaning , custodial support and good housekeeping (spills)	5	2	1	10						
Working with hot surfaces such as photocopier machine, stove and coffee-maker	Burns	5	1	3	15	Tier I inspections, adherence to manufacturer's instructions of appliances, postings/labels on equipment, manipulating devices (pot holders, forceps)	5	1	1	5						
Storage of gases (such as CO <sub>2</sub> , CO, and nitrogen)	Potential exposure pressurized gases, potential projectile if ruptured, physical injury if cylinder falls.	5	5	3	75	Tier I inspections, training requirements, postings, signs, labels, and emergency placard outside door , CMS static inventory, escort for visitors, proper storage	5	5	1	25						
Radiological Areas	Potential for exposure to radiation	5	1	3	15	Postings, general training, emergency placard info, escort for visitors, room and area security (locks), Work Planning and Control.	1*	1	1	1						
Radiological Materials	Spills, releases (airborne)	5	1	3	15	Postings, general training, emergency placard info, escort for visitors, room and area security (locks), building design (ventilation), Work Planning and Control	1*	1	1	1						

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		Occupancy A	Severity B	Likelihood C	Risk* AxBxC		Occupancy A	Severity B	Likelihood C	Risk* AxBxC		Occupancy A	Severity B	Likelihood C	Risk* AxBxC	
Laboratories with chemicals and biologicals stored and used	Potential for chemical or biological splash or exposure	5	3	3	45	Postings, PPE, training, emergency placard info, escort for visitors, room and area security (locks) Work Planning and Control, CMS, fume hood, biosafety cabinet	1*	2	1	2						
Cryogenics	Burns, oxygen deficiency hazard	5	5	3	75	Work Planning and Control, proper storage (approved dewars, full dewars stored in labs), Tier Is, ODH meters	5	2	1	10						
General Office Space	See Office JRA															
General housekeeping issues	Fire, falls on same level; impaired egress; being struck by object, creating restricted walkways, slip hazards, increased fire loading.	5	3	3	45	Tier I Inspections, mandatory and voluntary, cleanout days, awareness of staff, building manager walkthroughs, custodial	5	1	1	5						
General Electrical Issues Standard electrical installations and activities throughout the Department	Shock or electrocution; reflex injury	5	5	3	75	Work planning, work permits, training, and follow manufacturer's instructions, posting and labeling, engineering controls.	5	5	1	25						
Animal Use Areas	Animal bites, exposure to bloodborne pathogens	5	5	3	75	Controlled access to facility, limited access to labs, training, work planning and control, cages, PPE	1	5	1	5						
Clinical Research Center and Occupational Medicine Clinic	Exposure to bloodborne pathogens, aggressive behavior (some human studies)	5	5	2	20	Controlled access to areas where blood and body fluids are handled, duress alarms, postings, subject screening	5	2	1	10						

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		Before Controls				on the website.	After Initial Controls					After Additional Controls				
Physical Item or Activity	Hazard(s)	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Initial Controls	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Control(s) Added to Reduce Risk	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	% Risk Reduction
Equipment with moving parts	Pinching, cuts, bruises, collisions with carts in halls	5	3	3	45	Limited access, mirrors,	5	1	1	5						
Further Description of Controls Added to Reduce Risk: * Occupancy rating was reduced when controls were applied that reduced the potential for exposure to that hazard. For instance, without any controls any occupant could potentially walk through a radiation area. With controls in place only those that will do the work will enter into radiation areas thereby reducing the occupancy ratings.																
*Risk:	0 to 20 Negligible	21 to 40 Acceptable				41 to 60 Moderate		61 to 80 Substantial				81 or greater Intolerable				